
DEPARTMENT OF THE ARMY 01100.TD
U.S. ARMY CORPS OF ENGINEERS -----

GUIDE SPECIFICATION FOR MILITARY CONSTRUCTION

NOTE: This section was last modified by C. Diven,
Nov 03. Added submittal para. and new
requirements for Tinker AFB, OK and revised the
monthly exposure report para.

SECTION 01100

SAFETY

PART 1 GENERAL

1.1 REFERENCES

OKLAHOMA CITY AIR LOGISTICS CENTER - TINKER AFB (OC-ALC-TAFB)

OC-ALC-TAFB SUPPLEMENT 1 Supplement 1 to AFOSH 91-25, Confined
Spaces

1.2 Submittals

Government approval is required for all submittals. The following shall
be submitted in accordance with Section 01300 SUBMITTAL PROCEDURES.

SD-01 Preconstruction Submittals

Contractor Health and Safety Plan

Submit detailed plan of Contractor's actions to safeguard Contractor and
government personnel and equipment.

1.3 SAFETY AND HEALTH REQUIREMENTS MANUAL (EM 385-1-1, SEPTEMBER 1996).

In accordance with CONTRACT CLAUSE Paragraph "ACCIDENT PREVENTION", this
manual applies to all work under this contract. There are submittals
and testing required by this manual which require Government Approval
(G) before certain phases of work can begin.

1.4 MANAGEMENT OF CONTRACTOR-GENERATED HAZARDOUS WASTES AND

PETROLEUM PRODUCTS (40 CFR, PART 262)

Contractors generating hazardous wastes and petroleum products on the military base on which this contract is performed shall be responsible for their management responsibilities as described in 40 CFR, part 262 and with the Oklahoma State Industrial Waste Management Regulations.

**USE THE FOLLOWING PARAGRAPH IN ALL JOBS EXCEPT
SHEPPARD PROJECTS**

1.5 MONTHLY EXPOSURE REPORT

A monthly report of accident and exposure data shall be submitted by the Contractor not later than the 5th day of each month. The report shall be submitted on SWD Form 743-J "MONTHLY EXPOSURE REPORT OF OPERATIONS AND ACTIVITIES" which will be provided to the Contractor at the pre-construction conference.

**USE THE FOLLOWING PARAGRAPH IN CONTRACTS
CONSIDERED TO BE SUFFICIENTLY COMPLEX TO WARRANT
ITS USE SUCH AS HEAVY CONSTRUCTION INVOLVING
EARTHWORK, PAVING, AND MULTISTORY BUILDING
PROJECTS. CHECK WITH SAFETY AND/OR CONSTRUCTION IF
IN DOUBT.**

1.6 ACCIDENT PREVENTION PREPLANNING (SWTCD)

In addition to the requirements of the CONTRACT CLAUSE entitled "Accident Prevention," the Contractor shall:

- a. Meet with the Contracting Officer and/or his representative before each major phase of construction. The purpose of the meeting will be to identify the specific hazards that are associated with that phase of construction. The meeting will include the general Contractor's superintendent, Quality Control Inspector, and superintendent or foreman in charge of the operation whether performed by the general Contractor or subcontractor.
- b. Identify at this meeting what construction methods and equipment will be used to protect the workmen against the hazards that are anticipated during that phase of construction. This plan, when agreed upon by the Contracting Officer and Contractor, will become a part of the Contractor's safety program.
- c. Be responsible for insuring that all subcontractors are knowledgeable and follow the safety plan agreed upon by the Contractor and Contracting Officer.

USE THIS PARAGRAPH ONLY FOR HIGH HAZARD PROJECTS
REQUIRING FULL TIME SAFETY PERSONNEL DUE TO SIZE OR
COMPLEXITY AS DETERMINED BY AND WITH CONCURRENCE
FROM SAFETY AND OCCUPATIONAL HEALTH OFFICE.

1.7 ACCIDENT PREVENTION MANAGEMENT (JAN 1985 OCE)

a. Full-time, on-site, safety coverage shall provided by the Contractor.

b. The following conditions shall be met:

(1) The Contractor shall employ at the project site to cover all hours of work at least one Safety and Occupational Health person to manage the Contractor's accident program. Duties which are not germane to the safety program shall not be assigned to the Safety and Health person(s). The principal safety person shall report to and work directly for the Contractor's on-site top manager, higher level official, or corporate safety office. The Safety and Health person(s) shall have the authority to take immediate steps to correct unsafe or unhealthful conditions. The presence of a Safety and Health person will not abrogate safety responsibilities of other personnel.

(2) Qualifications for Safety and Health person(s).

(a) Shall have a degree in engineering or safety in at least a four year program from an accredited school; or

(b) Shall have legal registration as a Professional Engineer or a Certified Safety Professional and, in addition, shall have been engaged in safety and occupational health for at least 1 year of experience, no time being credited to this 1 year unless at least 50 percent of the time was devoted to safety and occupational health; or

(c) Shall have a degree other than that specified in (a) above and, in addition, shall have been engaged in safety and occupational health for at least 3 years, no time being credited to these 3 years unless at least 50 percent of the time each year was devoted to safety and occupational health; or

(d) In lieu of a degree, shall have been engaged in safety and occupational health for at least 5 years, no time being credited to these 5 years unless at least 50 percent of the time each year was devoted to safety and occupational health;

(e) First aid work is not a creditable experience.

(3) The name and qualifications of the nominated safety person(s) shall be furnished to the Contracting Officer for acceptability and a functional description of duties shall be provided prior to the pre-work conference.

NOTE: USE THE FOLLOWING PARAGRAPH IN CONTRACTS AT
TINKER AFB, OK INVOLVING CONSTRUCTION WITHIN 1000
FEET OF THE RUNWAY IN ADDITION TO THE AIRFIELD
SAFETY PRECAUTIONS PARAGRAPHS. (TAFB SECTION
00700, 5/02)

1.8 CONSTRUCTION NEAR RUNWAYS

If the Contractor plans to install any structure or apparatus, or uses any equipment within 1000 feet of a runway which protrudes more than 12 feet above ground, the Contractor shall notify the Contracting Officer and the Airfield Manager at the pre-construction conference. If the need arises after the pre-construction conference, the Contractor shall notify the Contracting Officer and the Airfield Manager in writing at least 50 days before placement of such equipment.

NOTE: USE THE FOLLOWING PARAGRAPH FOR ALL
CONTRACTS AT TINKER AFB, OK. (TAFB SECTION 00700,
5/02)

1.9 USE OF EQUIPMENT MORE THAN 50 FEET TALL

If the Contractor plans to install or use equipment that rises 50 feet or more anywhere on Tinker AFB, the Contractor shall notify the Contracting Officer and the Airfield Manager at the pre-construction conference. If the need arises after the pre-construction conference, the Contractor shall notify the Contracting Officer and the Airfield Manager in writing at least 50 days before placement of such equipment.

USE THE FOLLOWING CLAUSE IN CONTRACTS INVOLVING
CONSTRUCTION ON OR (750 FEET ON EACH SIDE OF THE
RUNWAY CENTERLINE). IN SUCH CASES SUBSTITUTE THE
PROPER WIDTH IN THE PARAGRAPH.

1.10 AIRFIELD SAFETY PRECAUTIONS (DEC 1991) (DEFARS 52.236-7005)

a. Definitions.

As used in this clause--

(1) "Landing areas" means--

(a) The primary surfaces, comprising the surface of the runway, runway shoulders, and lateral safety zones. The length of each primary surface is the same as the runway length. The width of each primary surface is 2,000 feet (1,000 feet on each side of the runway centerline);

(b) The "clear zone" beyond the ends of each runway, i.e., the

extension of the primary surface for a distance of 1,000 feet beyond each end of each runway;

(c) All taxiways, plus the lateral clearance zones along each side for the length of the taxiways (the outer edge of each lateral clearance zone is laterally 250 feet from the far or opposite edge of the taxiway, e.g., a 75-foot -wide taxiway would have a combined width of taxiway and lateral clearance zones of 425 feet 130 meters); and

(d) All aircraft parking aprons, plus the area 125 feet in width extending beyond each edge all around the aprons.

(2) "Safety precaution areas" means those portions of approach-departure clearance zones and transitional zones where placement of objects incident to contract performance might result in vertical projections at or above the approach-departure clearance, or the transitional surface.

(a) The "approach-departure clearance surface" is an extension of the primary surface and the clear zone at each end of each runway, for a distance of 50,000 feet , first along an inclined (glide angle) and then along a horizontal plane, both flaring symmetrically about the runway centerline extended. The inclined plane (glide angle) begins in the clear zone 200 feet past the end of the runway (and primary surface) at the same elevation as the end of the runway. It continues upward at a slope of 50:1 (1 foot vertically for each 50 feet horizontally) to an elevation of 500 feet above the established airfield elevation. At that point the plane becomes horizontal, continuing at that same uniform elevation to a point 50,000 feet longitudinally from the beginning of the inclined plane (glide angle) and ending there. The width of the surface at the beginning of the inclined plane (glide angle) is the same as the width of the clear zone. It then flares uniformly, reaching the maximum width of 16,000 feet at the end.

(b) The "approach-departure clearance zone" is the ground area under the approach-departure clearance surface.

(c) The "transitional surface" is a sideways extension of all primary surfaces, clear zones, and approach-departure clearance surfaces along inclined planes. The inclined plane in each case begins at the edge of the surface. The slope of the incline plane is 7 horizontal to 1 vertical. It continues to the point of intersection with the inner horizontal surface (which is the horizontal plane 150 feet above the established airfield elevation); or outer horizontal surface (which is the horizontal plane 500 feet above the established airfield elevation), whichever is applicable.

(d) The "transitional zone" is the ground area under the transitional surface. (It adjoins the primary surface, clear zone, and approach-departure clearance zone.)

b. General.

(1) The Contractor shall comply with the requirements of this clause

while operating all ground equipment (mobile or stationary); placing all materials; and performing all work, upon and around all airfields.

(2) The requirements of this clause are in addition to any other safety requirements of this contract.

c. The Contractor shall--

(1) Report to the Contracting Officer before initiating any work;

(2) Notify the Contracting Officer of proposed changes to locations and operations;

(3) Not permit either its equipment or personnel to use any runway for purposes other than aircraft operation without permission of the Contracting Officer, unless the runway is closed by order of the Contracting Officer, and marked as provided in paragraph (d)(2) of this clause;

(4) Keep all paved surfaces, such as runways, taxiways, and hardstands, clean at all times and, specifically, free from small stones which might damage aircraft propellers or jet aircraft;

(5) Operate mobile equipment according to the safety provisions of this clause, while actually performing work on the airfield. At all other times, the Contractor shall remove all mobile equipment to locations approved by the Contracting Officer, at a distance of at least 750 feet from the runway centerline, plus any additional distance; and as necessary to ensure compliance with the other provisions of this clause; and

(6) Not open a trench unless material is on hand and ready for placing in the trench. As soon as practicable after material has been placed and work approved, the Contractor shall backfill and compact trenches as required by the contract. Meanwhile, all hazardous conditions shall be marked and lighted in accordance with the other provisions of this clause.

d. Landing areas.

The Contractor shall--

(1) Place nothing upon the landing areas without the authorization of the Contracting Officer,

(2) Outline those landing areas hazardous to aircraft, using (unless otherwise authorized by the Contracting Officer) red flags by day, and electric, battery-operated low-intensity red flasher lights by night;

(3) Obtain, at an airfield where flying is controlled, additional permission from the control tower operator every time before entering any landing area, unless the landing area is marked as hazardous in accordance with paragraph (d)(2) of this clause;

(4) Identify all vehicles it operates in landing areas by means of a

flag on a staff attached to, and flying above, the vehicle. The flag shall be three feet square, and consist of a checkered pattern of international orange and white squares of 1 foot on each side (except that the flag may vary up to ten percent from each of these dimensions);

(5) Mark all other equipment and materials in the landing areas, using the same marking devices as in paragraph (d)(2) of this clause; and

(6) Perform work so as to leave that portion of the landing area which is available to aircraft free from hazards, holes, piles of material, and projecting shoulders that might damage an airplane tire.

e. Safety precaution areas.

The Contractor shall--

(1) Place nothing upon the safety precaution areas without authorization of the Contracting Officer,

(2) Mark all equipment and materials in safety precaution areas, using (unless otherwise authorized by the Contracting Officer) red flags by day, and electric, battery-operated, low-intensity red flasher lights by night; and

(3) Provide all objects placed in safety precaution areas with a red light or red lantern at night, if the objects project above the approach-departure clearance surface or above the transitional surface.

THE FOLLOWING PARAGRAPH SHOULD BE USED, AS
APPLICABLE, WHEN THE PARAGRAPH "AIRFIELD SAFETY
PRECAUTIONS" IS USED. (Authority: SWD ETL
1110-3-85, 28 May 1969)

1.11 ADDITIONAL AIRFIELD SAFETY REQUIREMENTS (MAY 1969) (SWD ETL
1110-3-85):

a. In addition to the requirements of paragraph "Airfield Safety Precautions" herein before, the Contractor shall furnish the following items:

(1) A proposed schedule of construction operations shall be given for approval to the Contracting Officer by the Contractor at the preconstruction conference. Approval will be required before construction operations begin. This schedule shall be kept current and daily coordination of that day's scheduled activities will be required with base operations through the Contracting Officer.

(2) A properly approved and coordinated Construction Permit (AF

Form 103) shall be obtained by the Contractor prior to any excavation activities. Trenches shall be closed at the end of each day unless written permission to leave the trench open is obtained from the Contracting Officer.

b. During periods of active performance of work in the runway area the Contractor shall have in operation a two-way radio which shall be used to maintain contact with the control tower. In the event of an emergency or other abnormal condition the Contractor will be notified to immediately clear the area in which he is working. This information will be relayed directly by base operations, and the Contractor shall comply as directed. The requirement to clear the area shall apply to all personnel and all mobile equipment.

c. Personnel Safety

(1) Jet aircraft operating on the runway make the construction area a zone of high level noise. The Contractor is advised to take the necessary precautions, such as the use of ear plugs and ear muffs to prevent injury to the auditory systems of all personnel working the area. Provision for noise control is required by SECTION 05.C, "HEARING PROTECTION AND NOISE CONTROL" of EM 385-1-1, "SAFETY AND HEALTH REQUIREMENTS MANUAL."

(2) No uncontrolled Contractor vehicles shall be on or crossing any active runway or taxiway.

d. A daily log shall be kept, to the closest 5 minutes, of Lost Time Due to Emergency Aircraft Operations. This log shall be signed daily by the Contractor's representative and by the Contracting Officer or his appointed representative.

CHECK FOR PHASING REQUIREMENTS, PROVISIONS FOR
STERILIZED AREAS, RUNWAY CLOSURE, OTHER
REQUIREMENTS TO SUPPLEMENT THE PARAGRAPH BELOW,
AND PROVISIONS FOR LEAVING TRENCHES OPEN OVERNIGHT.

e. The Contractor shall move all materials and machinery to a safe distance from the runway at the close of each day's work.

INCLUDE THE PARAGRAPH BELOW FOR CONTRACTS AT VANCE AFB.

f. Traffic Cones

(1) If cones are used, they shall be orange, approximately 27 inches in height, with a base approximately 14 inches square. The base of cone proper shall not be less than 10 inches 250 mm. In areas experiencing high winds, small sand bags shall be used

at the cone base. A group of four cones shall replace each barricade shown on attachment 21, AFR 88-16.

(2) One cone in each group shall be lighted. Flashing lights with yellow lens shall be provided. The lights shall be double-faced with lens a minimum of 8 inches in diameter. The lights shall be operated 24 hours a day.

(3) The cones and lights shall be placed a sufficient distance from the edge of the hazard to allow all repair work to be performed inside the line of cones.

**INCLUDE THE PARAGRAPHS BELOW FOR CONTRACTS AT
TINKER AFB.**

f. Radio Operator

The Contractor shall provide, for the duration of the contract, a Radio Operator that is responsible for all movement of the Contractor's personnel and equipment while in the vicinity of the airfield. The Radio Operator shall have no other duties. The Radio Operator shall be capable of conducting clear and concise communications by two-way radio with Tinker Ground Control and all other required parties. The two-way radio used for communications with Tinker Ground Control will be furnished by the Government. The Radio Operator shall be responsive to all requests made by Government personnel regarding airfield movements and shall have authority to act accordingly. The Radio Operator shall attend a one day training session conducted by Base Operations, Building 240, before construction operations begin. When construction operations require the Radio Operator to be separated from the work crews, two-way FM radios shall be used to provide communications between the Radio Operator and work crews. The two-way FM radios shall be furnished by the Contractor. No construction operations will be conducted without the Radio Operator on site. The Radio Operator shall check in with Base Operations at the beginning and end of each work day.

g. Equipment Operator Training

All Contractor, subcontractor, supplier, etc. personnel operating any type of motorized vehicle or equipment shall be briefed on proper airfield driving procedures by a Contractor employee who has attended the Airfield Vehicle Operations class given by Airfield Management personnel.

**USE THE FOLLOWING PARAGRAPH ONLY FOR PROJECTS AT
ARMY AMMUNITION PLANTS AND ARSENALS.**

1.12 RESTRICTION FOR CATALYTIC CONVERTER EQUIPED VEHICLES

During all construction in areas contaminated with explosive material, the Contractor shall comply with provisions of the US Army Material Command Supplement DARCOM Regulation R 385-100 "Safety Manual" dated August 1981. All 1975 and later automotive vehicles equipped with catalytic converters will not be allowed to enter hazardous or explosive operating areas. In other areas converter-equipped vehicles shall not be driven over or parked on a surface of easily combustible material such as dry grass. All vehicles equipped with catalytic converters shall be conspicuously marked in accordance with regulations at the installation.

USE THIS PARAGRAPH FOR ALL PROJECTS AT SHEPPARD
AFB. PER LTR FROM SHEPPARD DTD. JUNE 30, 94, BASE
CIVIL ENGINEER (LT. MIYAGAWA).

1.13 USE OF POTENTIALLY HAZARDOUS EQUIPMENT AND MATERIALS (DEC 94)

Glass food or beverage containers, except glass lined thermal containers with outer metal or plastic shield, shall not be allowed within the construction area.

The Contractor shall obtain permission to bring nonexempt radioactive material (such as density gauges or moisture meters) onto the base by contacting the Nuclear Regulatory Commission, Region IV, and completing NRC Form 241. A copy of the form shall be provided to the Contracting Officer to deliver to the Base (82 MG/SGPB).

USE THIS PARAGRAPH FOR ALL PROJECTS AT ALTUS
AFB. PER LTR FROM ALTUS DTD. APR 11, 94, 97TH
MEDICAL GROUP

1.14 USE OF POTENTIALLY HAZARDOUS EQUIPMENT AND MATERIALS (JAN 95)

1.14.1 General

The following requirements supplement safety requirements for corresponding equipment specified in Chapter 6 of The Corps of Engineers Safety and Health Requirements Manual (EM-385-1-1).

1.14.2 Request and Approval for Use

The Contractor shall submit a written request to the Contracting Officer not less than 30 days prior to use for permission for the use of the following materials or equipment at the work site. Copies will be forwarded for approval to the 97th Medical Group/SGPB by the Contracting Officer.

a. Radioactive Material (RAM) b. Laser Equipment c. Radio Frequency (RF) Radiation Equipment d. Ionizing Radiation (IR) Generating Devices

The request shall include the following information:
Location, type of work, and anticipated dates of use of the above items.
Acknowledgement that Contracting Officer or Base personnel may periodically inspect the use of the above items to assure prevention of unnecessary exposure to personnel and contamination of government property.

The following Descriptions and Characteristics

LASER: Manufacturer
Model Number of units
Serial numbers
Laser medium
Mode of operation (i.e. continuous wave(CW) single pulse,
multiple pulse}
Max exposure time (train length)
Time (sec) & wavelength
Pulse repetition frequency
Energy/pulse (J) or CW power (W)
Pulse width
Beam Dia.
Beam divergence (@ 1/c point)

IR: X-ray unit manufacturer
Model
Serial number
Maximum k Vp. mA. Sec
Ionizing radiation source/ emitter (electron tube)

RF: Nomenclature
Description Location of emitters
Quantity
Frequency (MHZ)
Pulse width (Microsec.)
Peak Power
Antenna si/c (Feet--horizontal/vertical)
Antenna band width (degrees-horz/vert)
Antenna gain (dB)Scan rate (rpm)

1.14.3 Applicable Regulation

When Radioactive Materials are utilized, activity shall comply with Air Force Regulation AFR 161-16 "Control of Radioactive Material". This regulation may be obtained from the Contracting Officer upon request.

USE THIS PARAGRAPH FOR ALL PROJECTS AT TINKER
AFB. PER MEMO FROM SAFETY OFFICE DTD. 2/27/95,
(BOB VANDERGRIFF)

1.15 HAZARDOUS MATERIAL REPORTING

In accordance with the requirements in OC-ALC-TAFB Instruction (OC-ALC-TAFBI) 32-7001 HAZARDOUS MATERIAL MANAGEMENT PROGRAM, the Contractor shall submit completed Monthly Hazardous Material Usage Reports (included at the end of this section) for the duration of the

contract in accordance with the following instructions:

Initially:

- Complete a Monthly Hazardous Material Usage Report for each hazardous material on site.
- Attach the corresponding Material Safety Data Sheet (MSDS) with each Monthly Hazardous Material Usage Report

Monthly:

- Complete Section 3 of the CHMR for each hazardous material on site
- Provide a new Monthly Hazardous Material Usage Report for each new hazardous material brought on site during the reporting period.

The Contractor shall submit OC-ALC Form 521, CHEMICAL/HAZARDOUS MATERIAL REQUEST/AUTHORIZATION, for all hazardous material that is Contractor furnished. The Contracting Officer will provide this form.

Hazardous materials are defined as all materials listed in OSHA and EPA regulations, including but not limited to cleaners, solvents, paints, compressed gases, fuels, glues, and chemicals. The Monthly Hazardous Material Usage Report shall be submitted by the fourth workday of each month for information on the preceding month. A Hazardous Material Tracking Form shall be also be submitted each month with the Monthly Hazardous Material Usage Report and MSDS.

NOTE: Use the following paragraph for all Sheppard projects. As per Sheppard Ltr date June 30 94, frm Base Civil Engineer (Lt. Miyagawa), Subject "Contractor Requirements".

1.16 HAZARDOUS MATERIAL REPORTING (LTR. DTD 30 JUN 94, FRM SHEPPARD BASE CIVIL ENGR)

The following paragraphs describe Sheppard Air Force Base environmental requirements.

1.17 HAZARDOUS WASTE AND MATERIALS REPORTING

The Contractor shall notify the Contracting Officer upon encountering existing unanticipated material on the site which could jeopardize the safety of workers. The Government will be responsible for disposition of the waste if required.

Hazardous materials or waste transported onto or within the Base shall be reported to the Base Fire Department prior to movement on Government property.

1.18 SPILL REPORTING

Upon verification of a release of any petroleum product over one gallon or any other hazardous waste or material, regardless of amount,, the contractor shall notify the Base Fire Department at 911. The Base will determine the cleanup required. Upon release of a petroleum product under one gallon and no threat of fire or explosion exists, the Contractor shall clean the contaminated area to remove all contaminants. Contamination in excess of 100 ppm of Total Petroleum Hydrocarbons shall be removed from the site. Costs of soil tests required as a result of spills shall be the Contractor's responsibility. Contaminated material shall be disposed of properly.

**NOTE: USE THE FOLLOWING FOR ALL ARMY CONTRACTS
WHEN THE USE OF A RADIATION SOURCE BY THE
CONTRACTOR IS REQUIRED OR ALLOWED BY THE
SPECIFICATIONS.**

1.19 RADIATION SOURCE COORDINATION

The Contractor shall coordinate with the Contracting Officer at least seven days prior to bringing any radiation source onto an Army installation.

**NOTE: USE THE FOLLOWING PARAGRAPHS FOR WORK ON
TINKER AFB. (TAFB SECTION 00700, 5/02)**

1.20 FIRE SAFETY

The Contractor shall use every precaution to avoid fires and shall, when directed by the Contracting Officer, provide fire-extinguishing equipment of his own in addition to that which exists in the building.

1.20.1 Location of Fire Alarms and Telephone

The Contractor shall be briefed by the Contracting Officer or fire protection personnel on locations of fire alarms and telephones closest to the contract job site. The Contractor shall ensure that all subcontractors and their personnel have attended mandatory fire prevention and safety briefing prior to commencing any work under this contract. Prior to commencing work, the Contractor shall provide proof of the required training completion, such as safety meeting minutes and sign-in sheet, to the Contracting Officer.

1.20.2 Fire Lanes

Approved fire lanes shall be kept open at all times, as required by the Government.

1.21 VERIFICATION OF WORKING CONDITIONS

Government safety, fire protection, and Bioenvironmental Engineering (BE) officials may enter a Contractor's work place to verify working conditions of government personnel, provided the Contracting Officer authorizes such action. Accompaniment by the Contracting Officer or his representative is recommended.

1.22 EXHAUST SPARK ARRESTORS

Exhaust spark arrestors shall be installed on all exhaust pipes of diesel fueled engines operating within or near hazardous areas to prevent sparks which could initiate combustion and/or explosions.

1.23 CONFINED SPACE ENTRY PERMIT

The Contractor shall coordinate with the Contracting Officer on projects requiring a confined space entry permit. At a minimum, Contractor personnel shall not enter manholes, tunnels, tanks, or confined spaces until such entry complies with the requirements of OSHA 1926.21(b)(6). Tinker AFB personnel will not provide entry testing or issue confined space entry permits to Contractor personnel per paragraph 7.1.4, OC-ALC-TAFB Supplement 1 to AFOSH Std 91-25.

PART 2 PRODUCTS (NOT APPLICABLE)

PART 3 EXECUTION (NOT APPLICABLE)

-- End of Section --